PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHORITY

To: DANIEL E. ALTMAN	PCT
KNOBBE, MARTENS, OLSON & BEAR, LLP 2040 MAIN STREET, 14TH FLOOR IRVINE, CA 92814	NOTIFICATION OF TRANSMITTAL OF THE INTERNATIONAL SEARCH REPORT AND THE WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY, OR THE DECLARATION
	(PCT Rule 44.1)
	Date of mailing (day month year) 13 OCT 2010
Applicant's or agent's file reference ANVIL-029VPC	FOR FURTHER ACTION See paragraphs 1 and 4 below
International application No. PCT/US 10/40962	International filing date (day/month/year) 02 July 2010 (02.07.2010)
Authority have been established and are transmitted he Filing of amendments and statement under Article The applicant is entitled, if he so wishes, to amend the	
international search report. Where? Directly to the International Bureau of W	TIPO, 34 chemin des Colombettes
1211 Geneva 20, Switzerland, Facsimile For more detailed instructions, see PCT Applicat	No.: +41 22 338 82 70 u's Guide, International Phase, paragraphs 9.004 – 9.011.
2. The applicant is hereby notified that no international Article 17(2)(a) to that effect and the written opinion	al search report will be established and that the declaration under of the International Searching Authority are transmitted herewith.
	additional fee(s) under Rule 40.2, the applicant is notified that:
the protest together with the decision thereon request to forward the texts of both the protest	has been transmitted to the International Bureau together with any and the decision thereon to the designated Offices.
no decision has been made yet on the protest;	the applicant will be notified as soon as a decision is made.
International Bureau. The International Bureau will sen international preliminary examination report has been or is priority date, these comments will also be made available to	
International Bureau, If the applicant wishes to avoid or application, or of the priority claim, must reach the Internat international publication (Rules 90bis.1 and 90bis.3).	ority date, the international application will be published by the postpone publication, a notice of withdrawal of the international ional Bureau before the completion of the technical preparations for
examination must be filed if the applicant wishes to postnor	t of some designated Offices, a demand for international preliminary to the entry into the national phase until 30 months from the priority must, within 20 months from the priority date, perform the prescribed d Offices.

For details about the applicable time limits, Office by Office, see www.wipo.int/pct/en/toxts/time_limits.html and the
PCT deplicant's Chalch, Nethonal Chapters.

Name and mailing addess of the ISA/
Mail Rep PCT, Mail Rep PCT

In respect of other designated Offices, the time limit of 30 months (or later) will apply even if no demand is filed within 19

Form PCT/ISA/220 (July 2010)

months.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

FOR FURTHER

ACTION

(PCT Article 18 and Rules 43 and 44)

see Form PCT/ISA/220 as well as, where applicable, item 5 below.

International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)
PCT/US 10/40962 *	02 July 2010 (02.07.2010)	02 July 2009 (02.07.2009)
Applicant TRYTON MEDICAL, INC.		
according to Article 18. A copy is being This international search report consists It is also accompanied by a 1. Basis of the report a. With regard to the language, the the international app at translation of the in a translation furnite b. This international search	en prepared by this International Searching A granamited to the International Bureau. of a total of sheets. copy of each prior art document cited in this international search was carried out on the by international septication into do for the purposes of international search (Ru ceport has been established thing into account to this Authority under Rule 91 (Rule 146 4564bif bits Authority under Rule 91 (Rule 146 4564bif bits Authority under Rule 91 (Rule 146 4564bif bits Authority under Rule 91 (Rule 146 4564bif to the purpose has been established thing into account to this Authority under Rule 91 (Rule 146 4564bif to the purpose of the search of the search to the purpose of the search of the search to the purpose of the search to the purpose of the search to the purpose of the search to the search to the purpose of the purpose to the purpose	report. which is the language of lets 12.3(a) and 23.1(b)). at the rectification of an obvious mistake
	tide and/or amino acid sequence disclosed in	
3. Unity of invention is lack 4. With regard to the title, the text is approved as sub		
With regard to the abstract, the text is approved as sub the text has been establish may, withintone month fro	unitted by the applicant. ed, according to Rule 38.2, by this Authority a m the date of mailing of this international sear	is it appears in Box No. IV. The applicant the report, submit comments to this Authority.
6. With regard to the drawings,	484 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
as suggested by the	e published with the abstract is Figure No. 2N applicant, authority, because the applicant failed to sugge	
	authority, because the applicant failed to sugge authority, because this figure better characteriz	-
	e published with the abstract.	NO LIP ELITERINO

Form PCT/ISA/210 (first sheet) (July 2009)

Applicant's or agent's file reference

ANVIL-029VPC

INTERNATIONAL SEARCH REPORT

International application No. PCT/US 10/40962

IPC(8) - USPC -			
	International Patent Classification (IPC) or to both n	ational crassification and IPC	
	OS SEARCHED cumentation searched (classification system followed by	oleveification gymbole)	
623/1.15	сипенация заисней (сиязывания зумем юножей ву	classification symbolsy	
IPC: A81F2	on searched other than minimum documentation to the ex (00, 2/02, 2/04, 2/06, 2/82, 2/86, 2/94 1.1, 1.11, 1.12, 1.16, 1.17, 1.35	tent that such documents are included in the	fields searched
PubWest (Pi	ta base consulted during the international search (name of SPB,USPT,EPAB,JPAB), Google Scholar; Prosthesis, in or, expansible, expandable, extendable, undulating, dua	nplant, ostium, bifurcation, vascular, arterio	rms used) as, blood, frond, filament,
C. DOCUI	MENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.
×	US 2009/0163999 A1 (Kaplan et al.) 25 June 2009 (25 [0024], [0037], [0039]-[0040], [0043]-[0044], [0047]-[00 [0074]-[0076], [0100]-[0102], [0105], [0111]-[0117], [01	48], [0051], [0058], [0062], [0065], [0072],	1-4, 6-7, 15, 18-19, 22- 37, 40
Y	figs. 3A-3B, fig. 5, figs. 12D-12F, fig. 14E	20] (0 100), (0 100), 19, 1, 190 2721 ;	5, 8-14, 16-17, 20-21, 38-39, 41-46
Y	US 2008/0294240 A1 (Casey) 27 November 2008 (27	5	
Y	US 2007/0288082 A1 (Williams) 13 December 2007 (1	8-14, 16-17, 20-21, 38-39	
Y	US 2007/0276480 A1 (Davis et al.) 29 November 2007 (29.11.2007), pera [0116], [0158]- [0159], [0163]-[0164], fig. 2G		
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Furth	or documents are listed in the continuation of Box C.		
"A" docum	categories of cited documents: ant defining the general state of the art which is not considered particular relevance	"T" later document published after the inter date and not in conflict with the applie the principle or theory underlying the	mational filing date or priority pation but cited to understand invention
"E" earlier	application or patent but published on or after the international atc	"X" document of particular relevance; the considered novel or cannot be considered.	claimed invention cannot be ered to involve an inventive
cited to special	ent which may throw doubts on priority claim(s) or which is establish the publication date of another citation or other reason (as specified) and referring to an oral disclosure, use, exhibition or other	"Y" document of particular relevance; the considered to involve an inventive	
"P" docum	ent published prior to the international filing date but later than ority date claimed	being obvious to a person skilled in th	e art
	actual completion of the international search	Date of mailing of the international seas	ch report
30 Septemb	er 2010 (30.09.2010)	13 OCT 2010	
	nailing address of the ISA/US	Authorized officer. Lee W. Young	
P.O. Box 145	T. Attn: ISA/US, Commissioner for Patents 50, Alexandria, Virginia 22313-1450	PCT Helpdesk: 571-272-4300	
	0 571-273-3201	PCT OSP: 671-272-7774	
form PCT/IS	A/210 (second sheet) (fulv 2009)	7 -	

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHO	DRITY				
To: DANIEL E. ALTMAN KNOBBE, MARTENS, OLSON & BEAR, LLP 2040 MAIN STREET, 14TH FLOOR IRVINE, CA 92614		PCT WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY			
			(PCT Rule 43bis.1)		
		Date of mailing (day/month/year)	13 OCT 2010		
Applicant's or agent's file reference		FOR FURTHER A			
ANVIL-029VPC			See paragraph 2 below		
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/US 10/40962	02 July 2010 (02.07	7.2010)	02 July 2009 (02.07.2009)		
International Patent Classification (IPC) of IPC(8) - A61F 2/90 (2010.01) USPC - 623/1.15	or both national classifica	tion and IPC			
Applicant TRYTON MEDICAL, INC	ι,				
This opinion contains indications relating to the following items:					
Name and mailing address of the ISAUS Mail Step PCT, After ISAUS Commissions for Politics 30 September 2010 (30.09.2010) Authorized officer: Lee W. Young 2014 (450, Alexandria, Viginia 22313-1450) P.O. Box 1450, Alexandria, Viginia 22313-1450 P.S. Excermine No. 571-773-7300 PCT (1989)					

Form PCT/ISA/237 (cover sheet) (July 2009)

International application No. PCT/US 10/40962

No. I Basis of this opinion
With regard to the language, this opinion has been established on the basis of:
the international application in the language in which it was filed.
a translation of the international application into which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
This opinion has been established taking into account the rectification of an obvious mistake authorized by or notified to this Authority under Rule 91 (Rule 43hir. I(a))
With regard to any nucleotide and/or amino acid sequence disclosed in the international application, this opinion has been established on the basis of a sequence listing filed or furnished:
a. (means)
On paper
in electronic form
b. (time)
in the international application as filed
together with the international application in electronic form
subsequently to this Authority for the purposes of search
In addition, in the case that more than one version or copy of a sequence isiting has been filed or furnished, the required statements that the information in the subsequence or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
Additional comments:
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International application No.

Box No. V Reasoned statement under Rule 436/s.1(a)(i) with regard to coverty, inventive step or industrial applicability;

Statement			
Novelty (N)	Claims	1-21, 23-36, 38-46	YES
	Claims	22, 37	NO
Inventive step (IS)	Claims	None	YES
	Claims	1-46	NO
Industrial applicability (IA)	Claims	1-46	YES
	Claims	None	NO NO

2. Citations and explanations:

Claims 22, 37 lack novelty under PCT Article 33(2) as being anticloated by US 2009/0163999 A1 to Kaplan et al. (hereinafter Kaplan).

As per datin 22, Kajalan discloses a prosthesis for placement at an oslam opening from a main body tumen to a branch body tumen (scharted, pare (GIV)). The proteinses correctings; a modelly operanded support having a parallyl of promise allocus, the support configured to be deskiyed in at least a portion of a body tumen adjacent the oslam opening (abdrace, pare [3014, §g. 1, 2X); a transition protein operand explose, on being protein adjacen on the support (pare [307], pare [3075; §g. 24; transition zone (GI), a plurally of protein adjacen on the support (pare [307], pare [3075; §g. 24; transition zone (GI), a plurally of protein adjacen on the support (pare [3075], pare [3075; §g. 24; transition zone (GI), a plurally of protein adjacent on the support (pare [3075], pare [3075; §g. 24; transition zone (GI), a plurally of front adjacent cachinding between the transition portion and a proximal end (pare [3075], §g. 24; fronds (16)), each of the fixed describes comprising a single filterent section having a shape filterent section having a sh

As per claim 37, Kapitan discloses a prosthesis for placement at an opening from a main body lumen to a branch body lumen (destruct, para [0014]), the protectives comprising a radially expensible support adaption (provide a radial for the support a body lumen to a first side of the opening (destruct, para [0014], para [00020]), at least two elverages, feetile fronds each having a first end, a second end (para [0014], para [00020]), and a satily extending undulating protection para [0014], para

Claims 1-4, 6-7, 15, 18-19, \$3-36, 40 lack inventive step under PCT Article 33(3) as being obvious over Kaplan

As per claim 1. Kagland discloses a prosthesis for piscement at an opening from a main hody furment to a branch body hamen (debtract, pars (2014)), the province iccomplising in cadally expansible support configured to the deployed in et less at portion of the branch body hamen (debtract, pars (2014)); a plurally of fronts centering from an end of the support, the foods configured to be positioned across the existing opening and into the main body harmen (abstract, pars (2014), (2015), (2012), (2012)); politically of decipies do side values to evidence of the province of the province

See Supplemental Sheets	
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International application No.

PCT/US 10/40962

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Continuation of: Box V.2: Citations and Explanations:

As per claim 2, Kaplan discloses the prosthesis of Claim 1, Kaplan further discloses the first portion comprises an undulating circumferentially expandable structure (para [0116], fig. 2F: circumferential link (120)).

As per claim 3, Kaplan discloses the prosthesis of Claim 1, Kaplan further discloses the first portion comprises a plurality of peaks and valleys that are axially arranged (para [0118], fig. 2F: circumferential link (120), sinusoldal shape (122)).

As per claim 4, Kaplan discloses the prosthesis of Claim 3, Kaplan further discloses alternating peaks of the first portion are coupled with the proximal ends of the fronds (para [0116], fig. 2F; circumferential link (120), attachment point (126 and 128)).

As per claim 6, Kaplan discloses the prosthesis of Claim 1, however, does not specifically disclose wherein the second portion comprises a discloser control of the comprehensial specifically such such unclaim 1, and in the comprehensial specifically such that the comprehensial discloser wherein the second control of the circumferential link comprises a circumferential link comprises a circumferential link comprises a circumferentially expandable structure to assist in maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the spacing of the fronds to facilitate advancement of the maintaining the space of the fronds to facilitate advancement of the maintaining the space of the fronds to facilitate advancement of the maintaining the space of the fronds to facilitate advancement of the maintaining the space of the fronds to facilitate advancement of the maintaining the space of the fronds to facilitate advancement of the maintaining the space of the fronds to facilitate advancement of the maintaining the space of the fronds to facilitate advancement of the maintaining the space of the fronds to facilitate advancement of the maintaining the space of the fronds to facilitate advancement of the maintaining the fronds to facilitate advancements.

As per claim 7, Kapten discloses the proethesis of Claim 1, however, does not specifically disclose the second portion has an undulating configuration. Replicit discloses wherein the circumiferential link (120) it would have been obloated to end of claims yield in the erfort outside the configuration (see Politically 18, p. 22: circumferential link (120)). It would have been obloated to one of ordinary skill in the erfort use the teaching of Kapten, wherein the second portion of the discuminential link; can have an undulating configuration to potentize the radial expansion of the circumferential link.

As per claim 15, Kapian discloses a prosthesis for placement at an opening from a main body kursen to a branch body lumen (electract, para [01:1]), the prosthesis comprising: a radially expansible support configured to be deployed in all seat as portion of the branch body lumen (electract para [01:1]), the prosthesis comprising a radial prost part of the prosthesis configured to the prosthesis of the pros

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As por claim 18, Koplan discloses a prosthosis for placement at an ostilan opening from a first body lumns for a second body lumns (instruct, page 10014), the protection comprise; a study as expensible support configured to be designed and least a protect of the first body lumn (ideatest, page 10014), at least one frond outside from a next of the support, the at least one frond configured to be possible advocated to extend purpose of protections, and the contraction of the first body lumns (ideatest, page 10014), and contractive first first contraction of the first body lumns (ideatest, page 10014), and contractive first first contraction to the allost one front, the contractive first page 2014 pa

In addition, Kapian does not spoolfically discloses wherein the prosthesis is configured to receive a second prosthesis through the space surrounded by the calmeter securement proton such that when the second prosthesis is deployed that is tested not from it sets retained between a vessel wall and the second prosthesis. Keplan discloses wherein the floods may be 14y expanded to gene the territorial price with the second prosthesis is deployed the set is deployed the set is set in the second prosthesis through the main beam of the second prosthesis through the set is set in the second prosthesis through the second prosthesis to deployed the set lead on found is entrapped between a vessel wall and the second prosthesis through the second prosthesis

As per cleim 19, Kaplan discloses the prosthesis of Claim 18, Kaplan further discloses wherein the at least one frond is configured to be discosed in the second body lumen in an upstream or downstream direction from the ostium when deployed (abstract, para [0126]).

As per claim 23, Kaplan discloses the prosthesis of Claim 22, Kaplan further discloses the support comprises a closed cell structure (pera 10074), IB, 2A: a plurally of cells including a distal ages and a proximal personness corrects and troughs of adjacent circumferentially oriented situación empresson en constant de companies. Per constant constant de constant d

As per claim 24, Kaptan disploses the prosthesis of Claim 23, Kaptan further discloses each of the cells comprise lateral members edepted to enhence the flexibility of the support by permitting localized axial expansion or compression within the support. (para (10714), fig. 2A: a plurality of axially exhanding struct (61), figs. 2E-2F; a plurality of axially exhanding struct on sterit section (52).

As per claim 25, Kaplan discloses the prosthesis of Claim 23, Kaplan further discloses each of the cells comprises N-shaped connector disposed on opposite lateral sides of the cells (para [0074]; figs. 25-2F: Two N-shaped connector on both lateral side of each cell on stent section (52).

As per claim 26, Kaplan discloses the prosthesis of Claim 22, Kaplan further discloses wherein the support comprises an open cell structure (para (10074), fig. 24: open cells (97) and (59) wherein cells comprising some picks and troughs of adjacent circumferentially oriented sinuscide or undulating members (56) and (56); the support in §ps. 24:Decomprise these tape of cells;

As per claim 27. Kopten discloses the posthesis of Claim 28, Kopten third discloses the support comprises a first circumferentially oriented incidently members and a second characterised incidently members (e.g. and comprised the comprised

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International application No.

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Continuation of: Supplemental Sheets: Box y.2: Citations and Explanations:

As per clim 28, Krolben discloses the prosthesis of Clien 27, however, does not specifically disclose wherein the trigitudinal interconnecting remember comprise a least one circumferentially oriented unfailable. Applied interconnecting remember comprise a least one circumferentially unfailable presented can be commediate to such other by a plurality of connector elements such as addaly extending states (3) (8); 22-3/2 in N-adaptic connector elements (8); 28:2-27 (page 1975/8). It would have been obvious to one of ordinary said in the set to use and modify the combined teachings of Kapian in different embodiment, wherein the longitudinal inference modify a continual contribution of the combined teachings of the combined teachings of the combined teachings of the element of the combined teaching of the combined teachings of the end involvement of the adjacent unfailable markets.

As per claim 28. Kaplan dischose the prosthesis of Claim 28. however, does not aspectically disclose wherein the support comprises a pulsarly of crummerisal branch, the counterestal branch and excumerated branch and excumerated branch and excumerated branch and excumerated branch and provides wherein, in a difference embodiment, the support can be shaped in form of habital splant or zig-zag series of members, connected by a plurally of provined pareas and a plurally of claim. As a plurally of the provides a possible proper (and provides and a plurally of an extraord parea (1025), and wherein the support comprises a plurally of circumferential sespentine or undusting members, whereas these members are connected at attention gradual provides as shown in [26, 27-26] (gars [1074] it would have been obvious to one of ordinary will be the art to use of modely the combined touching or Kapitan in distinct embodiment, whereas the circumferential undusting members in the support can be substituted by a plant of the provides a gradually considered provides in provides a gradually on the provides and provides to provide a gradually coulding provides to provide a gradually of the provides and provides.

As por claim 30, Kaplant discloses the prosthesis of Claim 27, however, does not specifically disclose wherein the proteines further comprises a linked member linking provide alongs of a fast inclumemental band, and datal selected a set a second cruminemial band, the second circumferential band being becasted adjacent and provides to the first circumferential band. Kaplant discloses wherein the second circumferential band being provides in the first circumferential band. Kaplant discloses wherein the second circumferential control of the compression of the c

As per cain 3.1 Kapten discloses the prestheate of Claim 30, however, does not executionly disclose wherein New uncommended aplies are disclosed circumstrently between a degree in linking members. Kapten discloses wherein is well or entire of commenders affect in structures and patients may be equally useful as the support section of the prostheses such as examples shown in figs. 2-A2⁻² that include one unconnected applicas disposed circumstrently between adjounce connecting members (pres) (2074). It would have been obtained to ordinary selfall in the set to use and mostly the combined teachings of Kapten in different embodiment, wherein their unconnected applicas are associated to a fellow the selfall in the set to use and mostly the combined teachings of Kapten in different embodiment, wherein their unconnected applicas are supported for a fellow that support is of fellow that the su

As per claim 32, Kapian discloses the prosthesis of Claim 22, Kapian further discloses the proximal section of the transition portion comprises e dual serpentine section (pare [0100]-[0102], fig. 2D : e dual serpentine structure (32)).

As per claim 33, Najien discloses the preshesse of Claim 32, however, does not specifically disclose wherein the data sexpendine section is configured for twentidening from a blackation with a high based of engle. Najien discloses wherein foot onto the data sexpendine structure in termston section) may be optimized for particular bifurcation angles and crientations, such as by making the fonds for positioning of costs to the "one" of the bifurcation longer than the fronds for positioning closer to the "one" of the bifurcation longer than the fronds for positioning closer to the carrier or "then" of the Discloser longer than the fronds for positioning closer to the carrier or "then" of the Discloser longer (DOSS) III, the world have been dividual to the control of the control

As per dain 34. Kajban discloses the prothesis of Claim 32, however, does not specifically disclose whenin the dust expendite psclical is configured for threationing from a bifurcation with a low takes of angle. Kajban discloses whenin front does (the dust seprentine structure in transition section) may be optimized for particular bifurcation angles and orientations, such as by making the fonds for positioning closes to the carrier or "hee" of the bifurcation longer than the finds for positioning closes to the carrier or "hee" of the bifurcation longer than the finds for positioning closes to the carrier or "hee" of the bifurcation longer than the finds for positioning closes to the carrier or "hee" of the bifurcation (para (MoSS)). If would have been orivious to one of ordinary skill in the cet to use and modify the teaching of Kaplan whereith the dust seprentine exclosion can be configured for transitioning from a bifurcation with a low takeful major to better display to the specific bifurcation growners.

See Supplemental Sheets

International application No.

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As per daim 35, Kapten discloses the prosthesis of Claim 32, however, does not specifically disclose whenin the dail serperitine section extends over a length that is less than 10, this length of the single filtarent of the forth section. Kapten that the discloses wherein It may be desirable to provide fronds having different lengths (gare (D045)), and the acids langth of each frond can vary from at less about 10% to 75% or more of the length of the overall provides (gare (D045)), and was the value on chotous to one of ordinary skill in the act to use and modify the combined teachings of Kaptan in different embodiment, wherein the dual serperities section extends over a length thet can be less than 10, the length of the simple fallment of the knots datend or to perfuse all solelyling the fronds.

As per claim 35, Koplan discloses the prostlesis of Claim 32, however, does not specifically disclose wherein the dust serportine exciton extends over a length that is 12 or more then the healing for the sargie Baiment of the find section. Kappin intriber discloses wherein it may be desirable to provide fronts having different lengths (pare [DU55]), end the exist length of each front can very from at leset about 19% to 75% or more of the religion the overeing prostations (pare 19[12]). It would have been chowless to one of collising skills in the exit one and modify the contained flazioning of Kaplain in different embodiment, wherein the dual appendine section extends over a length that can be 152 or more than the inerth of the sainter filement of the front describ to colorising debition for the fronts.

As per claim 40, Kaplan discloses the prosthesis of Claim 37, however, does not specifically disclose wherein the single filament portion is configured with an undusting situation wherein the maximum angle of approach thereof does not second 45 degrees. Kaplan discloses wherein honds may be optimized for particular bifurcation angles and orientations (pars [0056]). It would have been obvious to one of ordinary skill in the air to use end modify the teaching of the flagsin, wherein he single filament portion of the front can be configured with en undusting structure whereigh the meximum angle of approach thereof does not exceed 45 degrees to prevent stress concentration there and reduce the effect of Impact.

Claim 5 lacks Inventive step under PCT Article 33(3) as being obvious over Kaplen in view of US 2008/0294240 A1 (Casey).

As per claim 5, Kaplan discloses the prothesis of Claim 1, however, does not specifically disclose the first portion is configured to absorb to rouse applied from the fronts to isolation exchancingly adults proton of the second portion from the toxes. Clearly consequences wherein the connectors with shapes reminiscent of the letters N. or. W. can absorb the torque (para [056]); it would have been orbivous to one of confirming with in the act to use and modify the teaching of Casery, wherein since the first portion comprises. W. respectiment can absorb torque applied from the tronds to isolate mechanically the detail portion of the second portion from the torque to make a secure connection in the distall portion of the second portion that delivery devices.

Claim 8 lecks inventive step under PCT Article 33(3) as being obvious over Kaplan in view of US 2007/0288082 A1 (Williams).

As per claim 8, Keplen discloses the prosibesis of Claim 7, however, does not specifically disclose wherein the undulating pattern is conditioned with an undulating pattern in the first portion, Kepland discloses wherein the incurrent limits has an undulating configuration consists of the property of the condition of the condit

Claims 41-46 lack inventive step under PCT Article 33(3) as being obvious over Keplan in view of US 2007/0276460 A1 to Davis et al. (thereinsfler Davis).

As por claim 4.1. Kaplen discloses prosthesis for placement at an ostem opening at a vessual tributionation (abstract, pare [00.14]), the prosthesis comprising; an adually expensible support having a pluntelly of spices disposed at an end of the support, the support configuration to be disployed in a vessual respirate of the support time producting in fest and with a veneration point antiched this pales on the support configuration of the support time producting in fest and with a veneration point antiched this pales on the support date is section of the support time for the support date on the support date on the support date on the support date of the supp

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International application No

PCT/US 10/40962

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As per claim 42, Kaplan and Davis disclose the prosthesis of Claim 41, Kaplan further discloses wherein at least one of the tubular distal portion and the fronds comprise drug containing portions disposed thereon (para [0017], para [0105]).

As per dain 48, Kapian discloses a prosthesis for placement across an endlare at a vascular tablication (satirate, para (ID14)), the protructives comprising a redaily opposition support heirs of the size at a second, and legal thresholders configured to be deplayed and provide scalificating in a vascular segment edipsent to the cellular state of the size of the second end of the size opposition is expected and of the support, the forch showing a first ead with a resultation portion and second end of the size opposition is expected to the size of the first or exceeded and of the support, the forch showing a first ead with a resultion portion and second end of the size of

As per claim 44, Kaplan and Davis disclose the prosthesis of Claim 43, Davis further discloses the transition portion comprises depots configured to retain a drug (para [0118]).

As pure claim 45, Kajaha and David, disclose the prosthesis of Claim 43, however, do not specifically disclose wherein the single filterant comprises a segmentia portion. Kajaha discloses wherein the single food for two card axiality from the branch vessel support, and the single food for two or three or more fronds) may satered in a helical or spiral patient (peer [10:44]). David discloses wherein the frond section comprises a single frond, in the form of a single where of filmense, which extends in a spiral contiguration about the total ordinated as a spiral contiguration about the total ordinated section comprises a single frond, in the form of a single where of filmense, which extends in a spiral contiguration about the total ordinated section of the production of the production of the form of the filter section of the form of the filter section of the form of section. **

As per claim 46, Kapica and David disches the prosthesis of Claim 43, Novewer, do not specifically disclose whemin the framilition position comprises first and second striging members (jined at one and accepted at the opposite end with different spices of the support. Kapian discloses wherein the prosthesis comprises a transition zone between the support and the item (jovra [0075]), and in one embodiment the transition portion comprises inter and second curving members juried at one end to the form all coupled in the opposite end at one agices of the support (para [1076], fig. 24: transition portion, (roll), and the value plantern cent to evined visibly as destinated to provide actification coverage, pransition in assist lattices, and excommodate various size thanks and with respect to the main vasued large provide actification coverage, pransition in assist lattices, and excommodate various size thanks not provide various and acceptance of the compression of the compression of the contraction of the compression of the comp

Claims 9-14, 16-17, 20-21, 38-39 lack inventive step under PCT Article 33(3) as being obvious over Kaplan, Williams, and Davis

As per dain 9. Keplan discloses the prosthesis of Calien 1, however, do not specifically disclose wherein the chromiterostal link Linkscopping and selected coupling member desposed between the less profine and the section price in the principle indiciouse wherein the adjacent circumferentially unstabling member can be connected to each other by a phratily of connector elements such as autily extending members. (25 High 200 Am 4 shaped connector elements (see), 102, 25-27 (jueng 10071), and the chromiterelist into my comprise a short or undulating frags, and the fings can be attached to each other by finish being various shapes, including straight links or non-linear links undulating frags, and the fings can be attached to each other by finish being various shapes, including straight links or non-linear links undulated to the control of the control of the connection (61) per provided to connect the front (15) to the support section (52) (pare [0163], §2, 20), and the chromiterential link (120) may be connected to the front (16) in a variety of ways, such as by providing one or more connection (1711) (pare [1016], §2, 26). It will have been orbitated to one of criticinary all in the sation of the connection of the provided to connect in the sation of the connection of the provided to connect in the sation of the connection of the provided to connect in the sation of the support to make a secure connection to enhance a statisty of the Stunders.

See Supplemental Sheets		

International application No.

Supplemental Box

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Continuation of: Supplemental Sheets: Box V.2: Citations and Explanations:

As per claim 10, Kapian, Williams, and Davis disclose the prosthesis of Claim 8, however, do not specifically disclose whemin the axial coupling member provides sufficient concention between the files protein and the second portion to resist promature expression of a proximal portion of the first portion from a low profile configuration. Kapian discloses wherein the adjacent circumferentially untabiliting member can be connected to each other by a plurality of connecte or learn that was axially extending members (61) (i.g. 2/20) to provide additional axial stiffness (para (DI/S)), and the circumferential link may compite a stent or other support structure which is similar to the support structure (para [117]). It would have been oblivous to one of ordinary skill in the art to use and modify the technique of Kaplan, wherein the saids coupling member can provide sufficient connection between the first portion and the second portion to resist premature expansion of a provider sufficient connection between the first portion and the second portion to resist premature.

As per claim 11, Replan, Williams, and David disclose the prosthesis of Claim 9, however, do not specifically disclose wherein the subdiving coupling member comprises a pleasity of satiley attending connectors. Kapida discloses wherein the adjacent convention to each other by a plannilly of connector determine such as assisty extending member can be connected to each other by a plannilly of connector determine such as assisty extending members (61) (fig. 2A) to provide additional satisfactions given to be provided and the satisfaction of th

As per claim 12, Kaplam, Villiams, and David silcolose the prosthesis of Claim 11, however, do not specifically disclose wherein such connector connects a peak of the second portion with a valvey of the first portion. Kaplan discloses wherein the cornector members such as the activity extending member (61) in fig. 2A link the distel spices of the second circumferratial undulating member to proximal socies of the first circumferratine undulating member, or the proximal spices of distel applies of the second circumferratial undulating member to proximal socies of the first circumferratial undulating member to proximal socies of the first circumferratial undulating member to proximal socies of the first connection circumferratial undulating member to proximal socies of the first connection circumferratial undulating member to proximal socies of the first connection circumferratial undulating member to proximal socies of the first connection circumferratial undulating member to proximal socies of the first connection developed to the second circumferratial undulating member to proximal socies of the second circumferratial undulating member to proximal socies of the second circumferratial undulating member to proximal socies of the second circumferratial undulating member to proximal socies of the second portion with a valvey of the first portion to make a sufficient connection to enhance satisficient connection connection to enhance satisfication con

As por claim 13, Knoban, Williams, and Davis disclose the prosthesis of Claim 9, Nowwere, do not specifically disclose wherein the axial coupling remoter is a operatingly strateful remoter Knoban discloses wherein the axial concentration and the promoting remoter is a operatingly strateful remoter by considerating the contraction of the consideration of the consid

As per claim 1.4, Kaplam, Williams, and Davis disclose the prosthesis of Claim 8. however, do not specifically disclose wherein the askilland program of the program of the

As par calain 16, Kaplen discloses the prosthesis of Claim 15, however, does not specifically disclose wherein the circumferential list further comprises an analyzed entering immether disposed between the front engegerent profron and the calabited sourcement profron. Kaplin discloses wherein the adjacent circumferentially undusting member can be connected to each other by a plaraily of connected sements such as easily askending member (81) (1g. 25), or H-happed connected celements (1g. 26-27) (pars [1071]), and the circumferential list in any comprises a start of other disposit and profress and the region of the calabited connected elements (1g. 26-27) (pars [1071]), and the circumferential list in any comprises a start of other disposit and plant (1g. 26-27) (pars [1071]), and the circumferential list in any comprises a start of the disposit of the circumferential list in any connected of the circumferential list in a variety of verys, such as by providing colory. (1072), (1072), and the circumferential list in any connected of the front (16) in a variety of verys, such as by providing one or more connected (17) (pars [1071]), (1g. 25). Interest of the circumferential list can comprise an adulty extending member disposed between the frond engagement portion and the catheler sourcement protron, list the connected of the structure.

See Supplemental Shoets		

International application No. PCT/US 10/40962

Supplemental Box

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As port dains 17, fujore, Wellams, and David declores the prosthesis of Claim 16, however, do not specifically disclose wherein the front designeement portion and orther cachester countered profit on evaluating profits that extended circumfereitish and out-of-lights with each other. (Replan discloses wherein the settle compresses polarity of undustings grants that a tended circumfereitish and out-of-lights with each other. (Replan discloses wherein the settle compresses polarity of undustings grants that on connected each other by timbs, and the lines are not initiately any particular tempt on stage, and can be a well, its profit of the connected each other by timbs, and the lines are not initiately any particular tempt on stage, and can be a well, its profit of the connected each other by timbs, and the lines are not initiately any particular tempt of the connected each other particular tempt of the connected each of the connected each other particular tempt of the connected each other tempt of the connected e

As per claim 20, Napiran discloses the prosthesis of Calim 18 however, does not specifically dischose wherein the circumferential link truther comprising an acid scopping member disposed between the frond engagement profine on the central resistance profine. (Replan discloses wherein the adjacent circumferentially undusting member can be connected to each other by e-purally of corrector. (Replan discloses wherein the adjacent circumferentially undusting member can be connected to each other by e-purally of corrector described in the resistance of the connected to each other by e-purally of corrector described in the resistance of the connected to each other by e-purally of corrector adjacent to each other by e-purally of corrector adjacent to each other by links having venture adjacent to each other by links havi

As per claim 21, Kaplan, Williams, and Davis disclose the prothhesis of Colaim 20, Novever, do not specifically disclose wheelin the form deragement portion are undusting proteins that be ident discurries and the cucheller accument portion are undusting proteins that be ident discurries reliably and out-of-piese with such other. Keplan discloses wheening the continent and in his as an undusting configuration (para [91 15], fig. 22° circumstends limit, 1(20)). Institute that the continent is sufficient to the continent of the protein and can be a week upon the protein correction, and work or is sufficient processes are particularly salies to steer patients that ere out of phase (para [002]-[9053]). It would have been obvious to one of ordinary salid in the art to use and modify the contribute is saliefly of Kaplan and Williams, wherein two pricts of the discurries reliable to suggestions are particularly salies to steer patients that ere out of phase (para [002]-[9053]). It would have been obvious to one of ordinary salid in the art one supervised to the contribute of the cont

engagement portion with a peak of the catheter securement portion, similar to the connecting structure in the support section, to provide proper connection between-two parts of the circumferential link to enhance stability of the structure.
See Supplemental Sheets
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International application No. PCT/US 10/40962

Supplemental Box

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Continuation of:
Supplemental Sheets: Box V.2: Citations and Explanations:

As our claim 3b. Action also boust his production of Calam 77, Kayden further discloses the obscription of the comprises a front engigenetic profits (call policy) for each profit (as in 42, 20), however, does not gapitation) discloses where the circumferential infor comprises a catheter securement portion. Kajdan discloses where the claim (SCP), and the comprises a catheter securement portion. Explain discloses where the melbod comprises a possible set of an other post of the profit (SD), where the time of the melbod comprises a possible set of an other post (SD), and possible set (10 and a deblewy spaties (10 and a deblewy spaties (10 and a deblewy catheter) and contributes a relative such as call for possible in the comprise of the compri

As part calair 30, Kaplan, Nilliers, and David disclose the prosthesis of Calm 38, houward, does not postCraity disclose wherein the force originations are controlled to the control of t

Claims 1-46 have industrial-applicability as defined by PCT Article 33(4) because the subject matter can be made of used in industry.